GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

UNSTARRED QUESTION NO:1850
ANSWERED ON:02.08.2001
CHECK ON VIRUS RELATED DISEASE ON CROPS IN MADHYA PRADESH
JAYASHREE BANERJEE

Will the Minister of AGRICULTURE be pleased to state:

(a) whether the Government are aware that the crops of soyabean, pulses and oilseed crops in Madhya Pradesh have been infected with the virus related disease in the last few years and the crops, especially soyabean, Moong, Urad and Arhar have been struck by yellow moasic epidemic;

(b) if so, the research work done by Indian Council of Agricultural Research to check these viral epidemics;

(c) if so, the research project granted/approved and the steps being taken by the Government to prevent these crop diseases;

(d) the details of research projects the ICAR propose to undertake in future;

(e) the immediate specific steps being taken up by the Government to check and control the spread of these crops disease; and

(f) the steps taken to check the decline in production due to the excessive growth of weeds in the cultivated area?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. DEBENDRA PRADHAN)

(a) Yes, Sir.

(b) Yellow mosaic disease is caused by gemini virus which is transmitted by white fly Bemisia tabaci, a common vector on these crops. The research thrust of ICAR is on development of improved varieties having resistance/tolerance to viral diseases.Developed varieties having resistance/tolerance to Yellow mosaic Virus are given in Annexure I. However, no epidemic of Yellow mosaic disease has been reported in the last few years in Madhya Pradesh.

(c) The names of the research projects and its location are given in Annexure I. To further strengthen Soybean Improvement research in M.P. a new centre was provided during IX Plan at Indira Gandhi Krishi Vishwa Vidhyalaya, Raipur under All India Coordinated Research Project on Soybean.

(d) Genetic improvement of various crops including development of resistant/tolerant varieties and management of Viral diseases are being accorded priority attention.

(e) Growing resistant varieties, field sanitation, destruction of off-season volunteer plants are recommended for management of yellow mosaic virus disease.

(f) Need based hand weeding or pre-emergence application of Pendimethalin @ 1-1.5 kg/ha are recommended.

Annexure-I

Centres located in Madhya Pradesh

Name of the All India Coordinated Research Project	Centres
Soyabean	Sehore (JNKVV)
	Jabalpur (JNKVV)
	Raipur (IGKVV)
Pigeonpen	Sehore (JNKVV)

Khargaon (JNKVV)

Mungbean, Urdbean. Lentil, Lathyrus Raipur (IGKVV)
Rajmash and Field Pea(MULLARP) Sebore (JNKVV)

Improved Varieties having resistance/tolerance to yellow mosaic virus

Mungbean: Pant Mung 1, 2, 3, 4; Narendra Mung 1; PDM 11; PDM 54; ML 5; ML l31; ML 267; ML 337; PBM 2; Pusa 9531; Pusa Bold 1.

Urdbeen: PDU-1; Pant U-19; Pant U 30; UG-218; Narendra Urd-1; KU 301; TU 94-2; IPU 94-1; KU 92-1; WBG-26.

Soybean; JS 79-81; KB 79; MAUS-1; NRC-11